10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PNMT Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21394c

Product Information

Application	WB, E
Primary Accession	P11086
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52903
Calculated MW	30855

Additional Information

Gene ID	5409
Other Names	Phenylethanolamine N-methyltransferase, PNMTase, Noradrenaline N-methyltransferase, PNMT, PENT
Target/Specificity	This PNMT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 158-192 amino acids from the Central region of human PNMT.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PNMT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PNMT
Synonyms	PENT
Function	Catalyzes the transmethylation of nonepinephrine (noradrenaline) to form epinephrine (adrenaline), using S-adenosyl-L- methionine as the methyl donor

(PubMed:20496117). Other substrates include phenylethanolamine and octopamine (PubMed:16277617, PubMed:16363801, PubMed:8812853). Also methylates normetanephrine (By similarity).

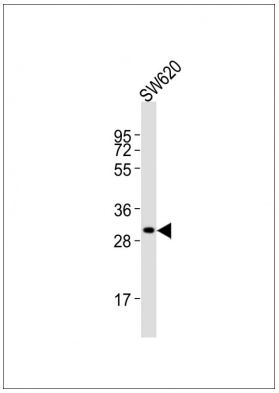
Background

Converts noradrenaline to adrenaline.

References

Kaneda N.,et al.J. Biol. Chem. 263:7672-7677(1988).
Sasaoka T.,et al.Neurochem. Int. 15:555-565(1989).
Baetge E.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:3648-3652(1988).
Martin J.L.,et al.Structure 9:977-985(2001).
Gee C.L.,et al.Biochemistry 44:16875-16885(2005).

Images



Anti-PNMT Antibody (Center)at 1:2000 dilution + SW620 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 31 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.